

COM-652E

Wide-Range Temperature Intel® Atom™ N2600/D2550 COM Express Compact Type 2 CPU Module



Features

- **Fanless Design**
- Soldered Onboard Intel® Atom™ N2600 / D2550 Processor
- Integrated Gigabit Ethernet
- Single Channel 18-bit N2600/ 24-bit D2550 LVDS, Analog RGB
- Support Dual Independent Displays
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ N2600 1.6GHz/ D2550 1.86GHz processor
Memory	1 x DDR3 SO-DIMM socket, supporting 1066MHz SDRAM up to 4GB (D2550)/ 2GB (N2600)
Chipset	Intel® PCH NM10
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	8 x USB 2.0 ports
Digital I/O	8-bit programmable Digital Input/Output
	2 x PCIe x1 lanes
Expansion Bus	4 x PCI masters
	SPI and LPC (Low Pin Count) interfaces
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82583V PCIe GbE controller
Audio	HD Audio Link

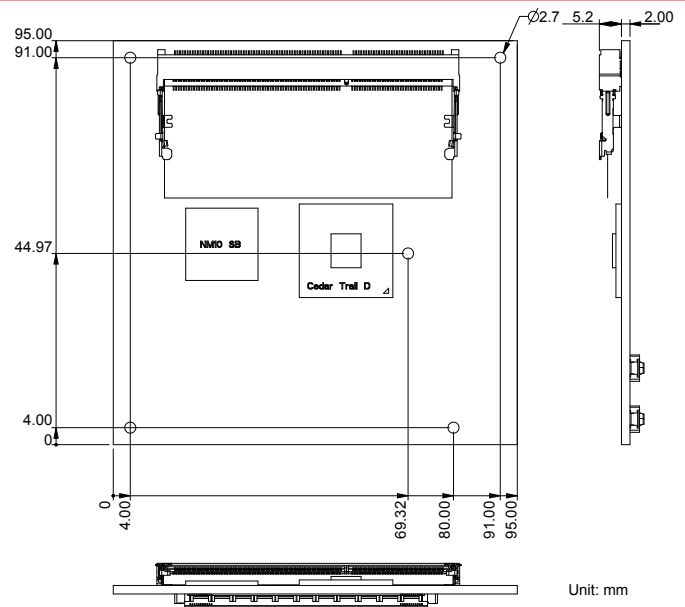
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 3650 (Gfx frequency 640 MHz) for D2550 processor
	Integrated Intel® Graphics Media Accelerator 3600 (Gfx frequency 400 MHz) for N2600 processor
	Support Analog RGB
Graphics Interface	LCD: - Single Channel 18-bit LVDS for N2600 - Single Channel 24-bit LVDS for D2550
	Support Dual Independent Displays

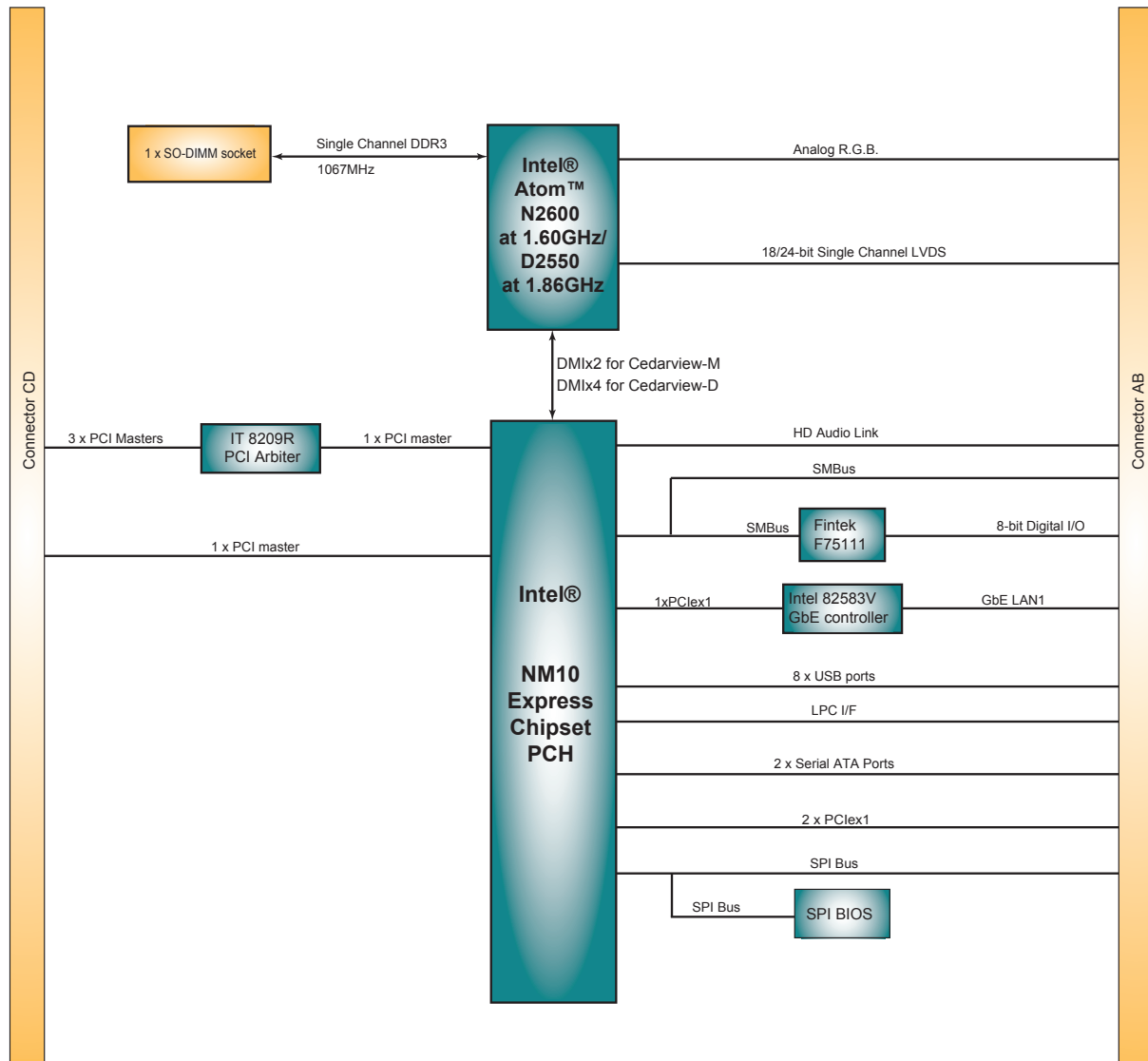
Mechanical & Environmental

Power Requirement	+12V, 5VSB
Power Consumption	0.95A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	95 x 95 mm (3.7" x 3.7")

Dimensions



Block Diagram



Ordering Information

COM-652E-N26 Intel® Atom™ N2600 1.6GHz WT COM express Compact CPU module

COM-652E-D25 Intel® Atom™ D2550 1.86GHz WT COM express Compact CPU module

Optional Accessories

HS-2503-F2 Heat spreader (95x95x8mm)

HS-0000-W4 Universal evaluation heatsink kit w/ thermal pad (dimension: 125x95x22mm, only used on a flat type heatspreader)

PBE-1700-F R1.3 COM Express Type 2 evaluation board in ATX form factor w/ F71869 Super IO

See page 66

CBK-04-1700-00 Cable kit

- 1 x SATA cable
- 1 x COM port cable
- 1 x FDD cable
- 1 x IDE cable